

Amendments to the Specification:

[0062] The present invention also includes a method for synchronously demodulating a CDMA signal. Message data are input to the spreading means. Referring to Figure 4, the method comprises the steps of generating 403 a generic-chip-code signal. The method further includes generating 405 message data synchronized to the generic-chip-code signal, and generating 407 a message-chip-code signal synchronized 408 to the generic-chip-code signal. Message data are processed, using a spread-spectrum modulator, with the message-chip-code signal to generate a spread-spectrum-processed signal. The generic-chip-code signal is combined 409 with the spread-spectrum-processed signal. The method transmits 411 the combined generic-chip-code signal and spread-spectrum-processed signal on a carrier signal over the communications channel as a CDMA signal, which the receiver receives 412 as a spread spectrum communications signal.

Paragraph [0062] showing changes:

[0062] The present invention also includes a method for synchronously demodulating a CDMA signal. Message data are input to the spreading means. Referring to Figure 4, the method comprises the steps of generating 403 a generic-chip-code signal. The method further includes generating 405 message data synchronized to the generic-chip-code signal, and generating 407 a message-chip-code signal synchronized 408 to the generic-chip-code signal. Message data are processed, using a spread-spectrum modulator, with the message-chip-code signal to generate a spread-spectrum-processed signal. The generic-chip-code signal is combined 409 with the spread-spectrum-processed signal. The method transmits 411 the combined generic-chip-code signal and spread-spectrum-processed signal on

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a carrier signal over the communications channel as a CDMA signal, which the receiver receives 412 as a spread spectrum communications signal.

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Please replace the Abstract with the following new Abstract:

A spread spectrum remote unit produces a message signal having message data. A reference signal is produced. The reference signal is used to recover the message data from a combined spread spectrum signal. The reference signal and the message signal is combined as a combined signal. The combined signal is transmitted as the combined spread spectrum signal.